

EXELON GENERATION COMPANY, LLC

DOCKET NO. 50-295

ZION NUCLEAR POWER STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 189
License No. DPR-39

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Exelon Generation Company, LLC (the licensee) dated May 27, 2014, as supplemented by letter dated November 6 2014, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

Enclosure 1

2. Accordingly, by Amendment No. 189, License No. DPR-39 is hereby amended to authorize Revision 16 to the Zion Nuclear Power Station Defueled Station Emergency Plan, as set forth in ZionSolution's application dated May 27, 2014, as supplemented by letter dated November 6, 2014, and evaluated in the NRC staff's safety evaluation dated May 14, 2015. The license amendment is effective as of its date of issuance and shall be implemented within 60 days.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

Andrew Persinko, Deputy Director
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

Date of Issuance: May 14, 2015